SMIT SHAH

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EDUCATION

K. J. Somaiya Institute of Engineering and Information Technology   07/2017 – 06/2021

Bachelor of Engineering in Information Technology   Overall GPA: 9.04/10

Core Courses: Data Mining, Web Programming, Advanced Internet Technologies, Artificial intelligence, Advanced Database Management Systems.

PROJECTS:

Virtual Psychiatrist   06/2020 – 05/2021

- The project served as a helper for the users to deal with depression at a basic level by providing them Cognitive-Behavioral Therapy (CBT).
- Involved research work in Image Processing and Text Analytics in the application using ML Algorithms.
- The product backend made use of the Python-Flask framework and Flask-Restful library to create abstractions.
- The algorithms included the Haar Cascade Algorithm and VADER Sentiment Analysis.
- Users can interact with a chatbot and can also track their progress through the analysis provided inside the application.
- Various models work in sync to determine the current state of the user and provide the appropriate conversation.
- Publications - 4th International Conference on Advances in Science & Technology (ICAST), 2021

Book Recommender Chatbot   01/2021 - 02/2021

- An IBM Watson Assistant based Book Recommendation AI Chatbot that can recommend users a specific book depending upon the genre that is provided.
- The bot can recommend various genres of books like Horror, Mystery, Thriller, Fiction types - Science Fiction, Historical, Fantasy, Realistic Fiction, Kids Books, and many more.
- It can detect vague replies and reply accordingly and has conditional jumps also configured for better user experience.

Real-Time Face Mask Detector   05/2020 - 06/2020

- The Face Mask detection system identifies whether a person has worn a face mask or not with the real-time live feed from the camera.
- The project made use of concepts like Convolutional Neural Networks (CNN) and python libraries like Keras, and OpenCV for implementation.

PROFESSIONAL EXPERIENCE

Software Development Engineer 1 – Quartic.ai, Mumbai   08/2022 – Present

- Designing, implementing, and scaling the backend of the Quartic.ai Platform.
- Creating Abstractions, Database, API, and core packages which are used to build the Quartic Platform.
- Build the backend of the Quartic platform's Human Experience.
- Feature additions, improvements, and bug fixes in the platform.

Associate Data Scientist – Sapio Analytics, Mumbai   **10/2021 – 08/2022**

- Business Implementation of various algorithms like clustering, classification, sentence transformers, and deep learning algorithms and along with various NLP Techniques like Named Entity Recognition, Text Summarization, and Sentiment Analysis.
- Collaborated on all stages of the systems development lifecycle, from requirements gathering to production releases along with maintaining and upgrading projects to deliver smooth-running models.
- Built, tested, and deployed scalable, highly available, and modular Machine Learning Models on the cloud using python-Django and Flask framework.
- Led a team of four for developing a Machine Learning based product in the Real Estate Domain and successfully delivered the MVP.
- Performed various data-intensive tasks like data cleaning, data pre-processing, and data handling of large volumes of sensitive data.

Backend Developer Intern – Close Company, Mumbai   **02/2020 – 04/2020**

- Developed a scalable set of REST-APIs for the payment gateway integration in the application with the help of the Nodejs framework.
- Revamped the backend of the main website to serve more users concurrently.

API Developer Intern – Start With Genesis, Mumbai   **02/2020 – 04/2020**

- Developed the backend of the application with about 40 REST-APIs for the app to connect the artists with the agencies.

Machine Learning Intern – Eyuva Technologies, Mumbai   **12/2019 – 12/2019**

- Developed a project named 'Attendance Automation' in Python that takes an image of an attendance sheet and extracts attendance from it & can be integrated with other software for more productivity.

CERTIFICATIONS AND SKILLS

- Introduction to Programming Using Python By Microsoft   12/2021
- Tensorflow in Practice Specialization by Coursera   07/2020
- Convolution Neural Networks with Tensorflow and Keras By Udemy   05/2020
- Complete Machine Learning Course from Scratch By Udemy   04/2020

Technical Skills: Python, Django, Machine learning, Tensorflow, Git, MySQL, FastAPI, MongoDB, Flask, Rest API, Java, NodeJS, PHP, laravel

ACHIEVEMENTS & HONOURS

- Former Member of IEI College Program.
- Part of the team that qualified for the Smart India Hackathon (SIH - 2020) in the KJSIEIT Hackathon.